

What is claimed is:

1. A base station apparatus comprising:

channel allocation means for performing channel
search for an uplink according to the predetermined order
5 of priority and for performing a channel search for a
downlink according to the order of priority reverse to
that of the uplink; and

a reception means for receiving signals in the
channel of the allocated uplink; and

10 a transmission means for transmitting signals in
the channel of the allocated downlink.

2. The base station apparatus of claim 1,

wherein a mobile communication system using a TDD
system is utilized and a channel allocation means are
15 to perform a channel search for an uplink sequentially
from a slot placed after the slot assigned to the report
channel and close in time, and to perform a channel search
for a downlink in order of priority reverse to that of
the uplink.

20 3. A communication terminal apparatus comprising:

a transmission means for performing wireless
communication with the base station apparatus of claim
1 and transmitting signals in the channel of the uplink
allocated at the said base station apparatus; and

25 a reception means for receiving signals in the
channel of the allocated downlink.

4. A communication terminal apparatus comprising:

the performance of wireless communication with the base station apparatus of claim 2;

the measurement of the reception power of the signals transmitted from the report channel with the designated power;

the estimation of the transmission path loss by subtracting reception power from the transmission power of the report channel; and

the transmission of signals with power adding the transmission loss to the target value of reception power at the said base station apparatus.

5. A channel allocation method, comprising:

the performance of channel allocation for an uplink and downlink individually in an order of priority for each link reverse to that of the other link, with reference to Autonomous Reuse Partitioning Dynamic Channel Allocation.

6. A channel allocation method of claim 5,

wherein the mobile communication system using a TDD system is utilized and channel allocation is implemented by performing a channel search for an uplink sequentially from a slot placed after the slot assigned the report channel and close in time, and by performing a channel search for a downlink in order of priority reverse to that of the uplink.